

KOTZJN ET AL.

"Handover During Packet Session in Wireless
Communication Networks and Methods"
Atty. Docket No. CS23254RA

Appl. No. 10/647,410

Confirm. No. 2657

Examiner J. Stein

Art Unit 2685

1. (Currently Amended) A method in a mobile communications device, the method comprising:

participating in a packet session;

autonomously selecting [identifying] a handover target [in] to which the mobile communications device may handover;

sending handover information for the handover target to a packet server while in the packet session;

receiving radio resource information for the handover target from the packet server in response to sending the handover information to the packet server.

2. (Previously Presented) The method of Claim 1, handing over to the handover target using the radio resource information received from the packet server.

3. (Previously Presented) The method of Claim 2, handing over to the handover target without requiring the mobile communications device to request a radio resource assignment from the handover target.

4. (Original) The method of Claim 1, receiving radio resource information from the packet server in response to sending handover information to the packet server includes receiving at least one of frequency, slot, time-to-transfer and power information from the packet server.

5. (Previously Presented) The method of Claim 1,
making neighbor measurements during the packet session;

KOTZIN ET AL.
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Atty. Docket No. CS23254RA

Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2685

sending the handover information to the packet server includes sending information based on the neighbor measurements.

Claim 6 (Canceled).

7. (Original) The method of Claim 1,
participating in the packet session includes communicating voice data in the packet session;

 sending the handover information to the packet server while communicating voice data in the packet session.

8. (Previously Presented) The method of Claim 1,
identifying a plurality of potential handover targets to the packet server,

 receiving radio resource information from the packet server for at least one of the handover targets identified.

9. (Original) The method of Claim 1, reducing interruption of the packet session during handover by using the radio resource information received from the packet server to facilitate handover to a new cell.

10. (Currently Amended) A method in a packet server connected to a communications network, the method comprising:

 receiving information from a mobile wireless communications device identifying a handover target autonomously selected by the mobile wireless communications;

KOTZIN ET AL.
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Atty. Docket No. CS23254RA

Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2685

negotiating with a radio communications network for a radio resource transfer for the handover target identified by the mobile wireless communications device,

sending, from the packet server, radio resource information for the handover target identified to the mobile wireless communications device.

11. (Previously Presented) The method of Claim 10, sending the radio resource information to the mobile wireless communications device after negotiating in response to receiving the handover information.

12. (Original) The method of Claim 11, negotiating with the radio communications network for a radio resource transfer for the mobile wireless communications device based on the handover information received from the mobile wireless communications device.

13. (Previously Presented) The method of Claim 10,
receiving handover information from the mobile wireless communications device includes receiving a plurality of handover targets identified by the mobile wireless communications device,

sending radio resource information to the mobile wireless communications device for at least one of the handover targets identified by the mobile wireless communications device.

14. (Original) The method of Claim 10, sending radio resource information from the packet data server includes sending at least one of frequency, slot, time-to-transfer and power information to the mobile wireless communications device.

KOTZIN ET AL.
"Handover During Packet Session in Wireless
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Atty. Docket No. CS23254RA

Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2685

15. (Previously Presented) A method in a mobile communications device in a packet session, the method comprising:

deciding to handover to a target cell;

sending handover information for the target cell to a packet server during a packet session;

receiving radio resource information from the packet server for the target cell before handing over to the target cell.

16. (Original) The method of Claim 15, participating in voice communications in the packet session.

17. (Previously Presented) The method of Claim 15,

receiving radio resource information from the packet server includes receiving handover timing information,

reducing interruption of data communications during the packet session during handover by making a timed transfer to the target cell using the handover timing information from the packet server.

18. (Previously Presented) The method of Claim 1, making a handover decision in the mobile communications device.

19. (Previously Presented) The method of Claim 10, negotiating with the radio communications network without making a handover decision for the mobile wireless communications device.

20. (Currently Amended) A method in a wireless communications network entity, the method comprising:

KOTZIN ET AL.

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Appl. No. 10/647,410
Confirm. No. 2657
Examiner J. Stein
Art Unit 2685

receiving handover information for a potential handover target
autonomously selected by [from] a mobile wireless communications device
[identifying a potential handover target];

communicating handover information to the potential handover
target before the mobile wireless communications device handsover to the
potential handover target.

21. (Previously Presented) The method of Claim 20, sending, from
the wireless communications network entity, radio resource information for
the potential handover target to the mobile wireless communications device
before the wireless communication device hands over to the potential
handover target.